

Premium Benchtop Shaking Incubators



ZWYR-240



ZWYR-200D

Description:

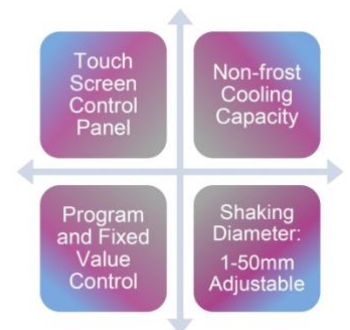
This new premium benchtop shaking incubators provided by LABWIT offer conditions of time, broad temperature and orbital or reciprocal agitation capabilities for meeting comprehensive requirement of the growth of biological organisms. This P.I.D microprocessor controlled shakers have a number of advanced features that are really unique in bench top models.

This unique benchtop model with shaking diameter stepless adjustable from 1-50mm provides unmatched flexibility for meeting comprehensive application requirements. The sophisticated PID controller provides these units with choices of not only constant controlling one fixed temperature and speed, but also programmed controlling with a series of "ramps and soaks" segments on time basis.

For data recording, the units are equipped with a built-in thermo printer as standard, so that operators could check how the performance parameters vary according to specified process without having to be on site.

Features:

- 4.3" LCD 480x272 touch screen panel clearly indicates all parameters in one page display and makes it easy to change the operating parameters settings, even those multi set points under programmable mode intuitively.
- P.I.D microprocessor controller provides unmatched versatility by enable users to create personalized program (with up to 9 segments, with cycling) to automate changes to function parameters.
- Inner chamber & tray from high graded #304 electro polished stainless steel.
- Robust single eccentric counterbalanced drive in cast iron housing provides vibration and trouble free operation with high shaking speed up to 600rpm.
- The versatility of the driving system allows stroke continuous adjustment from 1 to 50 mm for optimum oxygenation and nutrient mixing and agitation in from small to large flasks.
- Quality brushless AC inductive motor supports reliable, quiet and smooth shaking movements up to top speed.
- Auto-defrosting system, ensuring long-terms non-frosting operation with low temperature setpoints.
- Non-volatile memory saves settings during a power outage and automatically restarts the unit after power is restored.
- Audible and visual alarms on over temperature and motor overheating, and automatically cut off the power.
- Soft start and smooth acceleration when lid is closed after short opens.
- For data recording, the units are equipped with a built-in thermo printer as standard, so that operators could check how the performance parameters vary according to specified process without having to be on site.
- Timer up to 9999 mins under fixed value control mode.
- Predrilled standard tray included, without clamps.



| Flask (ml) | 50ml | 100ml | 250ml | 500ml | 750ml | 1000ml | 2000ml | P8010 | P8012 |
|------------|------|-------|-------|-------|-------|--------|--------|-------|-------|
| ZWYR-200D | 23 | 23 | 12 | 9 | 7 | 5 | 4 | 3 | 8 |
| ZWYR-240 | 23 | 23 | 12 | 9 | 7 | 5 | 4 | 3 | 8 |
| ZWFR-200 | 23 | 23 | 12 | 9 | 7 | 5 | 4 | 3 | 8 |

Advanced Solutions for Scientific Discovery!

Specifications:

| Model | ZWYR-200D | ZWYR-240 | ZWFR-200 |
|----------------------------------|--|-------------|--------------------------|
| Control | P.I.D Microprocessor | | |
| Control Mode | Fix Value or Program (up to 9 Segments) | | |
| Control Panel | 4.3" LCD Touch Screen | | |
| Volume (L) | 69 | | |
| Shaking Speed (rpm) | 30-600 | 30-400 | 30-240 |
| Stroke (mm) | 1-50 Stepless Adjustment | | 1-40 Stepless Adjustment |
| Shaking Mode | Orbital | | Reciprocal |
| Tray (mm) (WxD) | 400x370 | | 435x420 |
| Ambient Temperature(°C) | 5-25 | | |
| Temperature Range (°C) | 4-60 | | |
| Temperature Accuracy (°C) | 0.1 | | |
| Temperature Uniformity (°C) | ±1°C@37°C | | |
| Timer | 1 to 9999 mins | | |
| Inner Dimensions (mm) (WxDxH) | 490x470x320 | 490x470x335 | 490x470x320 |
| Exterior Dimensions (mm) (WxDxH) | 774x740x610 | | |
| Packing Dimensions (mm) (WxDxH) | 844x810x770 | | |
| Net/Gross Weight (kg) | 100/132 | | |
| Power (W) | 700 | | |
| Electricity | 220-240V 50/60 Hz | | |
| Approval | CE, ISO | | |
| Security | Over-temperature Protection, Compressor Overload Protection, Electrical Leakage Protection | | |
| Additional | Built-in Printer, RS485 COM Kit (Option) | | |



Touch Screen Panel



Forced Air Convection



1-50mm Shaking Diameter Adjustment

| Part NO. | Description | Part NO. | Description |
|-----------|---|----------|--|
| ZWYR-240 | ZWYR-240, 69L, Premium Orbital Shaking Incubator 4-60, 30-400rpm | P8013 | T Clamp, S/S, for 150ml Flask, with Spring Retainer |
| ZWYR-200D | ZWYR-200D, 69L, Premium Orbital Shaking Incubator 4-60, 30-600rpm | P8014 | T Clamp, S/S, for 300ml Flask, with Spring Retainer |
| ZWFR-200 | ZWFR-200, 69L, Premium Reciprocal Shaking Incubator 4-60, 30-240rpm | P8004 | T Clamp, S/S, for 500ml Flask, with Spring Retainer |
| P5016 | RS-485 Interface | P8005 | T Clamp, S/S, for 750ml Flask, with Spring Retainer |
| P6004 | Tray for ZWYR-240/200D, ZWY-240/200D, S/S* | P8006 | T Clamp, S/S, for 1000ml Flask, with Spring Retainer |
| P6005 | Tray for ZWFR-200, ZWF-200, S/S | P8007 | T Clamp, S/S, for 2000ml Flask, with Spring Retainer |
| P7003 | Universal Tray for ZWYR-240/200D, ZWY-240/200D | P8010 | Tube Rack S/S |
| P7005 | Universal Tray for ZWFR-200, ZWF-200 | P8011 | Tube Rack ABS Plastic |
| P8001 | T Clamp, S/S, for 50ml Flask, with Spring Retainer | P8012 | Clamp for 96 Well Plate, S/S |
| P8002 | T Clamp, S/S, for 100ml Flask, with Spring Retainer | P8017 | Sticky Mat, 20 x 20cm |
| P8003 | T Clamp, S/S, for 250ml Flask, with Spring Retainer | | *S/S: Stainless Steel |



T Clamps



P8017



P8010

Labwit quality assurance program demands the continuous assessment and improvement of all Labwit products. Information in this leaflet could thus change without notification and does not constitute a product specification. Please contact Labwit or their representatives if you require more details